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# JATS



## The new NISO Journal Article Tag Suite standard

STM E-Production Seminar 2012  
December 6, 2012

Sara Zimmerman

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# JATS and the NLM DTDs

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## JATS: What is it?

- Journal Article Tag Suite
  - Continuation of NLM DTDs
  - JATS v0.4: March 2011
  - JATS 1.0: Aug 2012
  - ANSI/NISO Z39.96-2012
-

## Brief History of NLM

- National Library of Medicine
  - NLM 1.0 introduced in 2003
  - NLM 2.0 introduced in 2004
  - NLM 3.0 introduced in 2008
  - JATS = NLM 3.1
-

## JATS tag sets

- Archiving and Interchange
  - Journal Publishing
  - Article Authoring
-

## Adoption of NLM

- Wide adoption by publishers
  - Built on best journal DTD features
  - Community input and support
-

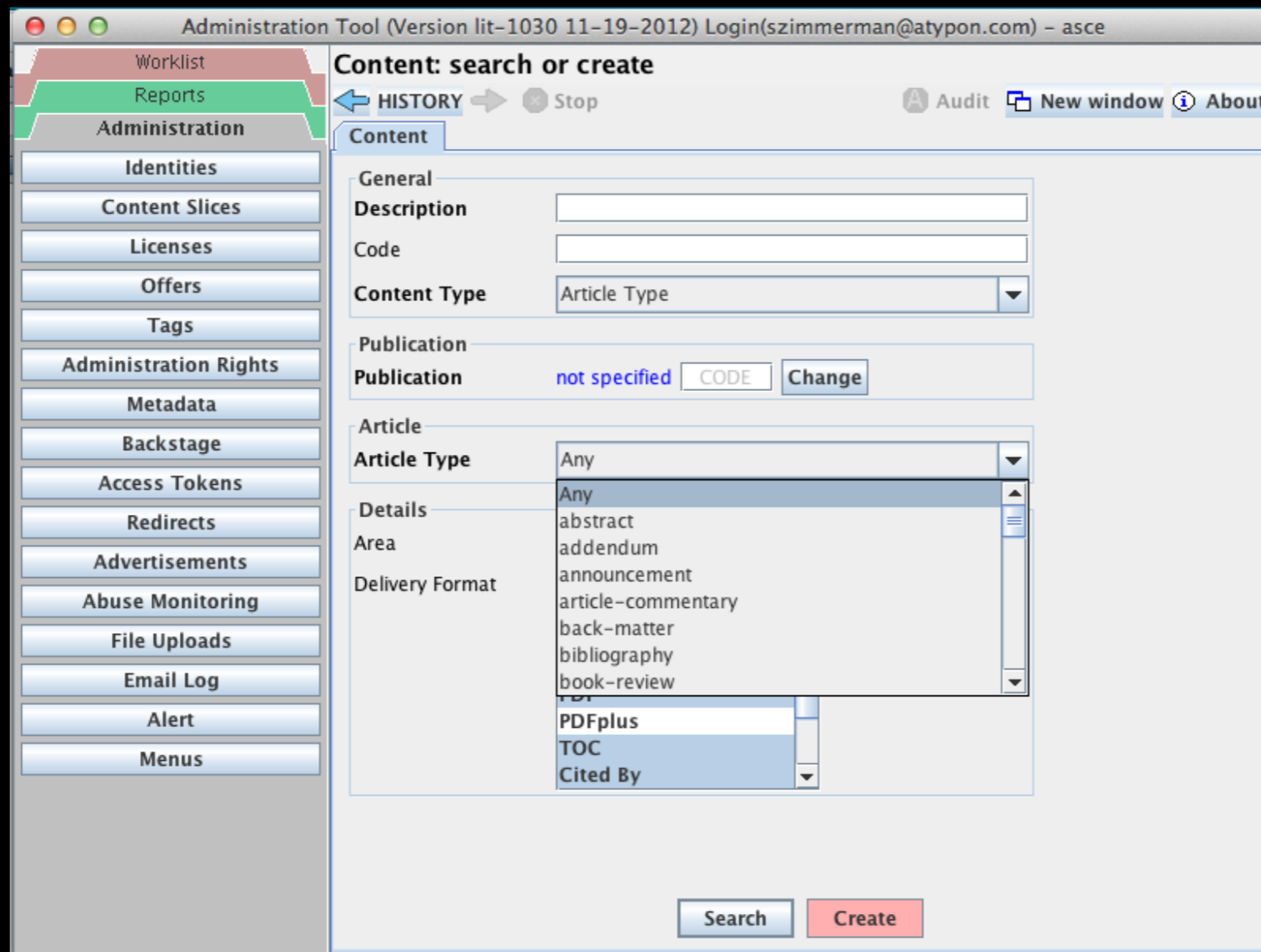


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## Atypoon's history with NLM

- Adopted NLM from the beginning
- On working committee
- Standard is built into our platform

## @article-type





## Advantages to publishers

- Interoperability
  - Tool availability
  - Community support
  - Best practices
  - Lower costs
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# JATS 1.0: What's New

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## Multi-lingual support

- @xml:lang on most elements
  - Repetition of structures
  - “alternatives” wrappers
  - Encode both language and script
-

## Multi-lingual support

```
<contrib contrib-type="author" xlink:type="simple">
  <name-alternatives>
    <name name-style="eastern" xml:lang="ja">
      <surname>銘苅</surname>
      <given-names>泰明</given-names>
    </name>
    <name name-style="western" xml:lang="en">
      <surname>MEKARU</surname>
      <given-names>Yasuaki</given-names>
    </name>
  </name-alternatives>
</contrib>
```

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## 記事種別

前の記事 目次

### 小児における舌小帯短縮症の手術時期の検討

銘河 泰明, 新垣 敬一, 仁村 文和, 比嘉 努, 仲間 錠嗣, 新崎 章, 砂川 元

琉球大学大学院医学研究科顎顔面口腔機能再建学講座 (主任:砂川 元教授)

First Page Image

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関連記事

小児口腔外科, 25 6 2011, 21(1): 69-72, 10.5555/21\_69

Ankyloglossia is a commonly observed medical condition of which there has been very little investigation. Our purpose in the present study was to determine the appropriate time to conduct the corrective operation.

The study group consisted of 104 children with ankyloglossia, 78 males and 26 females, with an average age of 4.7 years. Speech disorder was the most frequent chief complaint. The patients found it most difficult to pronounce the Japanese syllables beginning with the sound /r/. Frenulectomy was the most frequently performed therapeutic procedure. The results of our investigation indicated that the operation should be performed on patients aged four or older.

**キーワード:** 舌小帯短縮症, 小児, 発音障害

## 引用文献

記事内ジャンプ

- 1) 雲丹亀真貴子, 川上哲司, 他: 姉妹に生じた舌小帯短縮症の2例. 小児口外 15: 37-42 2005.
- 2) 館村 卓, 原 久永, 他: 舌小帯早期切除施行症例における構音障害. 口科誌 42: 717-721 1993.
- 3) 根本京子, 山下夕香里, 他: 舌小帯短縮症患者における機能障害の認識度と自覚症状について, アンケート調査による検討. 口科誌 49: 356-362 2000.
- 4) 古賀健次郎: 舌小帯短縮症の取り扱い. JOHNS 12: 1737-1740 1996.

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## Article


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### Clinical study of ankyloglossia in children


Yasuaki MEKARU, Keiichi ARAKAKI, Fumikazu NIMURA, Tsutomu HIGA, Jouji NAKAMA, Akira ARASAKI, Hajime SUNAKAWA

Department of Oral and Maxillofacial Functional Rehabilitation, Graduate School of Medicine, University of the Ryukyus.(Chief : Prof. Hajime SUNAKAWA)

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Pediatric Oral and Maxillofacial Surgery, 25 6 2011 , 21(1): 69-72, 10.5555/21\_69

Ankyloglossia is a commonly observed medical condition of which there has been very little investigation. Our purpose in the present study was to determine the appropriate time to conduct the corrective operation.

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**Keywords:** [ankyloglossia](#), [child](#), [speech disorder](#)







## References

[In this paper](#)

- 1) 雲丹亀真貴子, 川上哲司, 他: 姉妹に生じた舌小帯短縮症の2例. 小児口外 15 : 37-42 2005.
- 2) 舘村 卓, 原 久永, 他: 舌小帯早期切除施行症例における構音障害. 口科誌 42 : 717-721 1993.
- 3) 根本京子, 山下夕香里, 他: 舌小帯短縮症患者における機能障害の認識度と自覚症状について, アンケート調査による検討. 口科誌 49 : 356-362 2000.
- 4) 古賀健次郎: 舌小帯短縮症の取り扱い. JOHNS 12 : 1737-1740 1996.

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## Multi-lingual support

- `xml:lang="language-script-region"`
  - `xml:lang="ja-Hira"`  
(Japanese written in Hiragana)
  - `xml:lang="ja-Kana"`  
(Japanese written in Katakana)
-

## contrib-id element

- ORCID

```
<contrib-id contrib-id-type="orcid">  
    http://orcid.org/1792-3336-9172-961X  
</contrib-id>
```

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# What's Next

## Future needs

- Support for CME
  - Issue markup
  - Standard book support
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## BITS

- Book Interchange Tag Suite
  - Version 0.2: October 2012
  - Complete rework of NLM Book 3.0
  - Improved TOC and index support
  - Revised front, back, book body
  - Not NISO at this time
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## JATS in practice

- ISO Standards Tag Set (ISOSTS)
  - <https://www.iso.org/obp/ui/>
  - Should you switch to JATS?
  - Yes!
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<http://jats.nlm.nih.gov>